



# R & E Grant Application 17-19 Biennium

Project #: 17-053

## *North Coast STEP Fish Totes*

### *Project Information*

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**Requested Cycle:** 17-5  
**R&E Project Request:** \$6,192  
**Other Funding:** \$3,447  
**Total Project:** \$9,639  
**Spending Start Date:** 9/1/2017  
**Spending End Date:** 6/30/2019  
**Project Start Date:** 9/1/2017  
**Project End Date:** 6/30/2019  
**Organization:** ODFW - North Coast Watershed District

### *Applicant Information*

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### *Past Recommended or Completed Projects*

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This applicant has no previous projects that match criteria.

## **Location Information**

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### **Where is it?**

The project will not occur on any property

## **Project Summary**

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### **Project Summary**

*Please provide a couple sentence summary of the proposal.*

Replace aging fish totes at Big Creek and Klaskanine Hatcheries used in Stream Enrichment, food bank, and processing needs for the Young's Bay and Lower Columbia tributaries. Uses benefit anadromous & resident native fish in addition to food bank recipients.

### **Overall Project Goals**

*Describe the primary goals or outcomes of the entire project, including elements not requesting funding from R&E.*

The goal of this project is to replace aging totes for stream enrichment, food bank, and other needs.

The overall goal is to aid depressed salmonid populations, improve watershed health, and support community needs.

### **Primary objectives of R&E funding**

*Please describe the measurable objectives for the R&E portion of the funding request.*

The objective of this application is to replace aging fish totes used for stream enrichment, food bank, and other needs.

### **Current Situation/Justification**

*Please describe the current situation and explain why this funding is needed.*

Due to continued budget shortfalls replacement and upgrades to equipment are becoming increasingly more difficult across the Dept. Many of the totes currently in use are cracking. Since most are frozen during spawning operations for use later this requires using plastic liners to keep from leaking in the freezer. In addition, some are becoming structurally unsound and could fail during transport. Replacement will reduce safety hazards and environment concerns with disposal for plastic liners. Due to condition after use these liners cannot be recycled.

### **Recreation and Commercial Benefit**

*This project will provide benefits to:*

Recreational fisheries  
Commercial fisheries

*Explain how this project will contribute to current (and/or potential) fishing opportunities, access, or fisheries management.*

The Oregon Department of Fish and Wildlife (ODFW) utilizes carcasses from Dept. hatcheries for habitat enhancement to aid depressed salmon populations by placing them into streams. These carcasses replace some of the nutrients and organic matter historically contributed into

stream ecosystems from decaying carcasses of naturally returning fish that are no longer present in the same numbers. Some of these nutrients are only derived from organisms returning from marine environments. Research has shown that stream productivity and benefits to fish are enhanced through this practice through the consumption of these carcasses by aquatic microbes and macro invertebrates. Items identified benefit both sport and Commercial fisheries equally by improving overall watershed health resulting in increased productivity benefiting fisheries.

*Percent benefit split between Commercial and Recreational anglers:*

40 % Commercial

60 % Recreational

*Please explain, or justify, how the percentage split was determined:*

This program benefits all naturally produced fish whether they are sport or commercially caught. However, when including steelhead and cutthroat the benefit would most likely be higher to recreational anglers

*This project has been identified as an ODFW priority for:*

Local/watershed

Basin/regional

Statewide

*Does this project directly support implementation of the ODFW Strategic Plan and/or current Fish Division priorities?*

*Please briefly explain when this was identified as a priority and what process or workgroup was used to identify this as an ODFW priority.*

*Identify any plan or other document that identifies this priority.*

The Oregon Plan for Salmon & Watersheds

“Develop active outreach and educational programs to inform the public regarding habitat needs for salmon and actions that may be taken to help

*Is this project part of an approved Salmon-Trout Enhancement Program (STEP) activity?*

Yes

Over the years this program has been highly supported by volunteer groups with participants ranging from angling groups, schools, and watershed councils who assist in placing these carcasses. Most of these volunteers come through the STEP program.

*This project is intended to benefit the following species:*

Fall Chinook Salmon

Other Fish Species

non-game species will benefit too

Coho Salmon

Winter Steelhead

*This project will benefit anglers or fishery by providing:*

Habitat Enhancements

*Habitat Enhancements*

*The primary purpose of this project is to improve/increase:*

In water structure, complexity, and habitat

## ***Project Description***

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### ***Schedule***

Activity	Date	RE Funding
Obtain quotes	Feb 2018	No
Purchase totes & lids	Sept 2018	Yes
Submit Project Completion Report	Nov 2018	No

### ***Permits***

Permit	Secured?	Date Expected
	No	

### ***Project Design and Description***

*Please describe in detail the methods or approach that will be used to achieve the project objectives.*

Quote have been obtained

Totes and lids will be ordered if approved

### ***Engineering***

*Does the project involve capital improvement, engineering, site grading or other construction?*

No

### ***Project Management and Maintenance***

*What is the life expectancy of R&E funded construction, structures, equipment, supplies, data or fishery?*

Totes and lids expected to last approximately 20-years and will be stored at Big Creek and/or Klaskanine Fish Hatcheries after annual use.

*Who is responsible for long term management, maintenance, and oversight of the project beyond what is funded by R&E.*

No long term maintenance other than cleaning and storage is anticipated. Cleaning and storage will be conducted annually by ODFW staff with oversight from NC STEP.

*Will the project require ongoing maintenance?*

Yes

Cleaning and storage will be conducted annually

*Is there a plan to collect baseline data and to conduct monitoring efforts to measure the effectiveness of the project?*

Not necessary

## ***Project Funding***

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### ***Funding***

*Have you applied for OWEB funding for this project?*

No

*Has this proposal, or similar proposal for this project location, previously been denied by OWEB or other funding source?*

[{"source":"NC STEP volunteers","type":"In-

Kind","secured":"Secured","dollarValue":3296,"comments":"51 volunteers donated 119 hrs. @ \$27.69/hr. conducting Stream Enrichment activities during the 2017-18 season."},{ "source":"NC STEP Biologist","type":"In-Kind","secured":"Secured","dollarValue":151,"comments":"Application management"},{ "source":"","type":"Cash","secured":"Pending","dollarValue":0,"comments":""}]

Other Funding Source	Type	Secured	Dollar Value	Comments
NC STEP volunteers	In-Kind	Secured	3296	51 volunteers donated 119 hrs. @ \$27.69/hr. conducting Stream Enrichment activities during the 2017-18 season.
NC STEP Biologist	In-Kind	Secured	151	Application management
		Total	3447	

## Budget

Item	Unit Number	Unit Cost	In-kind or non-cash contributions	Funding from other sources	R&E Funds	Total Costs
PROJECT MANAGEMENT						
NC STEP Biologists	3	50.10	151	0	0	151
		SUBTOTAL	151	0	0	151
IN-HOUSE PERSONNEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
CONTRACTED SERVICES						
ODFW STEP volunteers	119	27.69	3296	0	0	3296
		SUBTOTAL	3296	0	0	3296
TRAVEL						
			0	0	0	0
		SUBTOTAL	0	0	0	0
SUPPLIES/MATERIALS						
20 totes with lids including shipping	0	0.00	0	0	6192	6192
		SUBTOTAL	0	0	6192	6192
EDUCATION/OUTREACH						
			0	0	0	0
		SUBTOTAL	0	0	0	0
EQUIPMENT						
			0	0	0	0
		SUBTOTAL	0	0	0	0
FISCAL ADMINISTRATION						
			0	0	0	0
		SUBTOTAL	0	0	0	0
		BUDGET TOTAL	3447	0	6192	9639

## ***Internal Review Results***

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**Review Score:** 1.7 out of 3

(0 = Do Not Fund, 1 = Strengthen Proposal, 2 = Recommend, 3 = Strongly Recommend)

### ***Summary of Review Team Comments***

The review team was supportive of this proposal as it is a small request, it supports large STEP volunteer activities, and the totes last along time. However, the team would like the District to consider also using an active approach to replacing these a few at a time at the end of each biennium or whenever remaining funds are available. Review team scores included two 1s, and five 2s.

### ***Specific Review Team Comments***

Carcass distribution has become a pretty standard procedure for coastal Districts. Need appropriate equipment for short-term storage and hauling of carcasses prior to stream enrichment.

Match is misleading. The proposal is to purchase totes not distribute carcasses. Match is for distribution. Should include context of other costs like freezer maintenance and transport and size of project that is supported by these totes.

Should have explained what is being done to maximize the life span (storage, cleaning, repair, etc.).

### ***Specific Review Team Questions***

*Could this project wait until later in the biennium and still be successful?*

Totes are pressure washed after use and stored under cover whenever possible, and then stored in freezer for from 1-4 months. Match it would be quite a bit higher if adding freezer cost but regarding the comment these totes are used for stream enrichment and distribution is as necessary and storage & transport.

## ***Additional Files***

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Budget Information

Maps

Photos

[Damaged Totes](#)

*photos of damaged totes & volunteers*

Design Information

Management Plans and Supporting Documents

Permits and Reviews

Partnerships

Public Comment

Administrative Documents

[2018 Fish Totes R&E sig page](#)

*signature page*



### ***Completion Report***

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A completion report has not been submitted for this project.